

Title (en)

RECIPROCATING COMPRESSOR VENTED PISTON

Title (de)

ENTLÜFTETER KOLBEN FÜR HUBKOLBENVERDICHTER

Title (fr)

PISTON ÉVACUÉ DE COMPRESSEUR À VA-ET-VIENT

Publication

EP 3341610 A1 20180704 (EN)

Application

EP 16757491 A 20160819

Priority

- US 201562210108 P 20150826
- US 2016047782 W 20160819

Abstract (en)

[origin: WO2017034983A1] A compressor (20) comprises: a case (22); and at least one piston (40) mounted for reciprocating movement, each in a respective cylinder (42) of the case. The at least one piston having a peripheral surface (50) and an upper surface (52), the upper surface having an outer portion (54) and a projection (80) extending from the upper surface. The at least one piston has a channel (220) positioned to pass flow from an area above the outer portion.

IPC 8 full level

F04B 39/00 (2006.01)

CPC (source: EP US)

F04B 1/124 (2013.01 - US); **F04B 39/0005** (2013.01 - EP US); **F04B 39/0055** (2013.01 - EP US); **F04B 53/06** (2013.01 - US)

Citation (examination)

JP S5810176 A 19830120 - MITSUBISHI ELECTRIC CORP

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017034983 A1 20170302; CN 107923378 A 20180417; EP 3341610 A1 20180704; US 2018238312 A1 20180823

DOCDB simple family (application)

US 2016047782 W 20160819; CN 201680049509 A 20160819; EP 16757491 A 20160819; US 201615752058 A 20160819